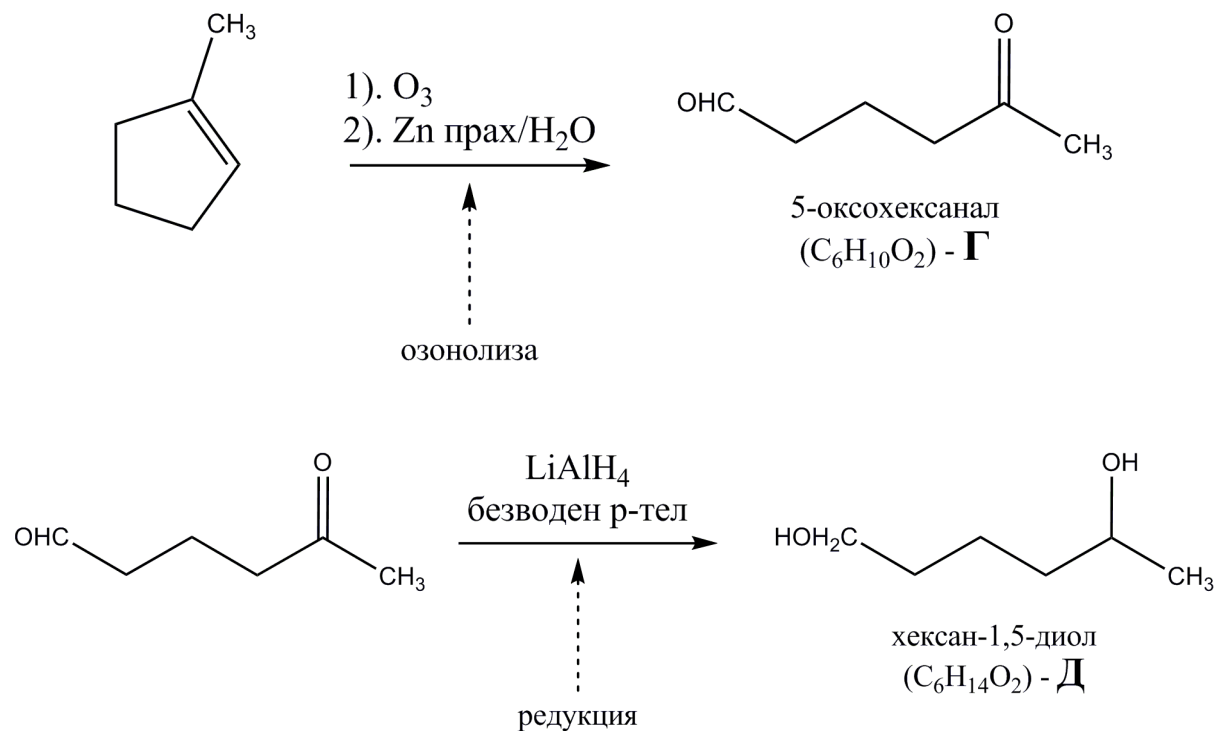
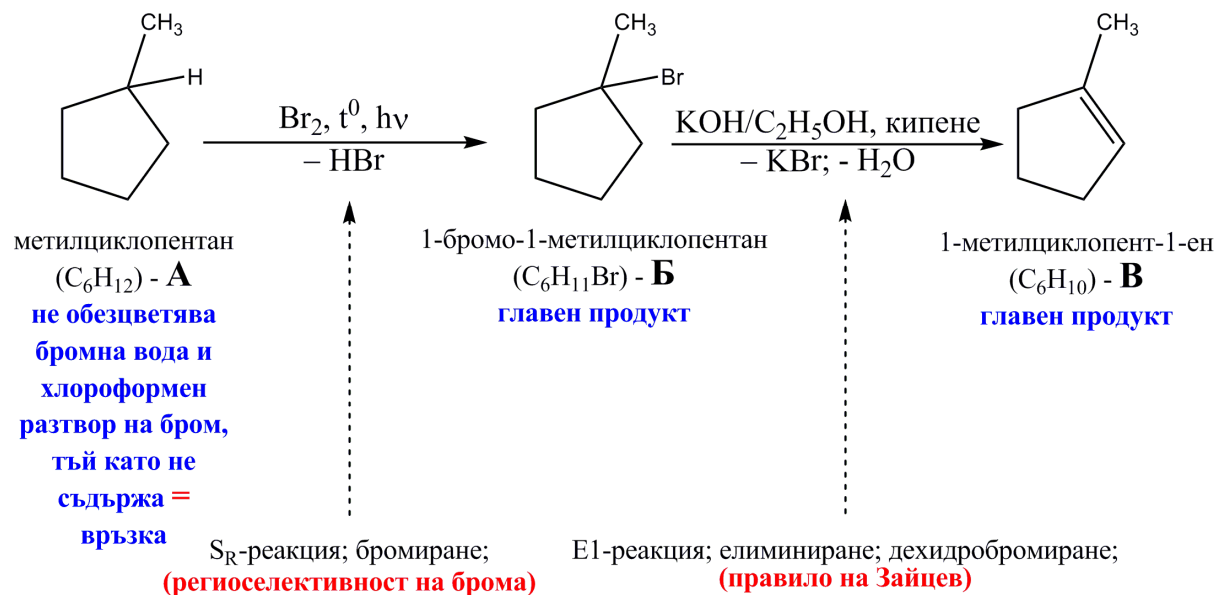
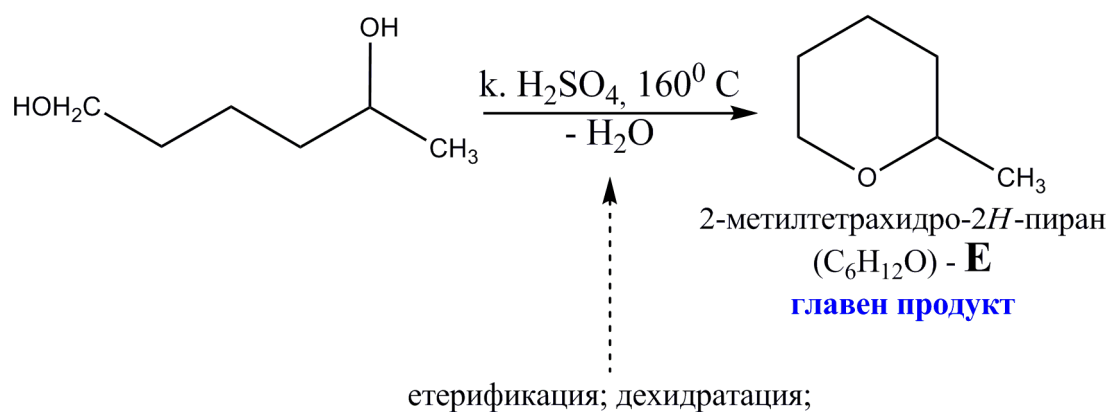
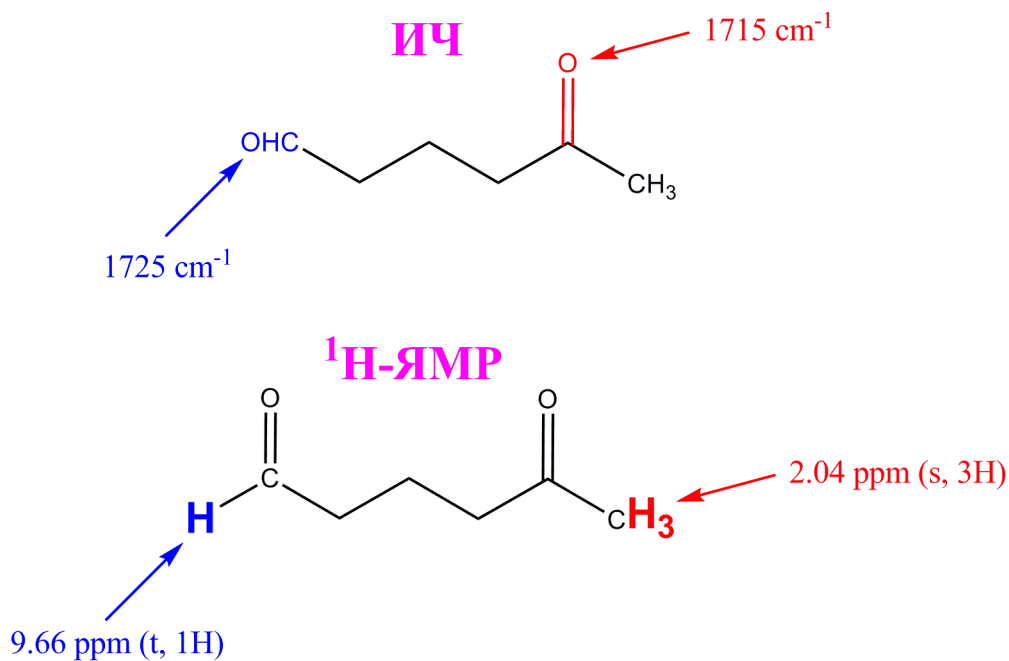


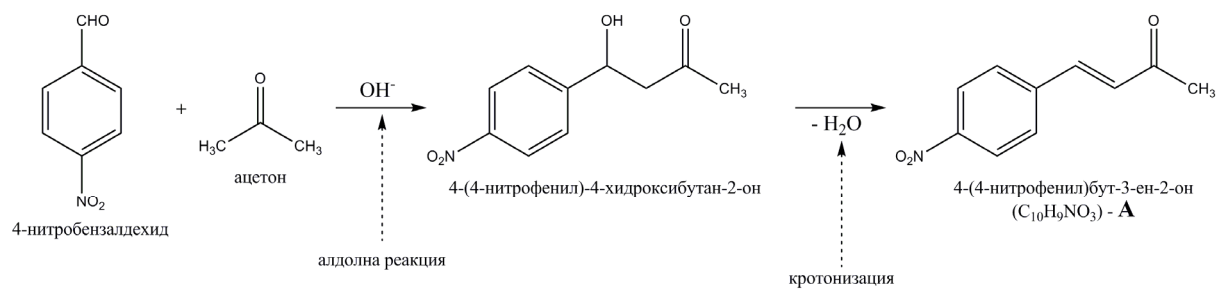
2001 г. – ТЕСТ 1 – Решения

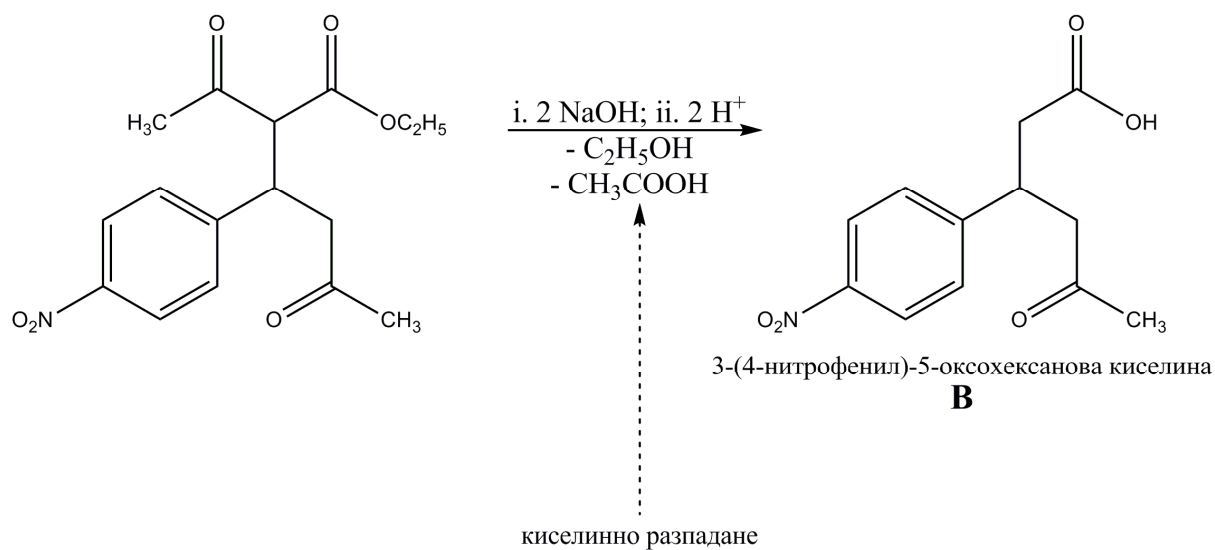
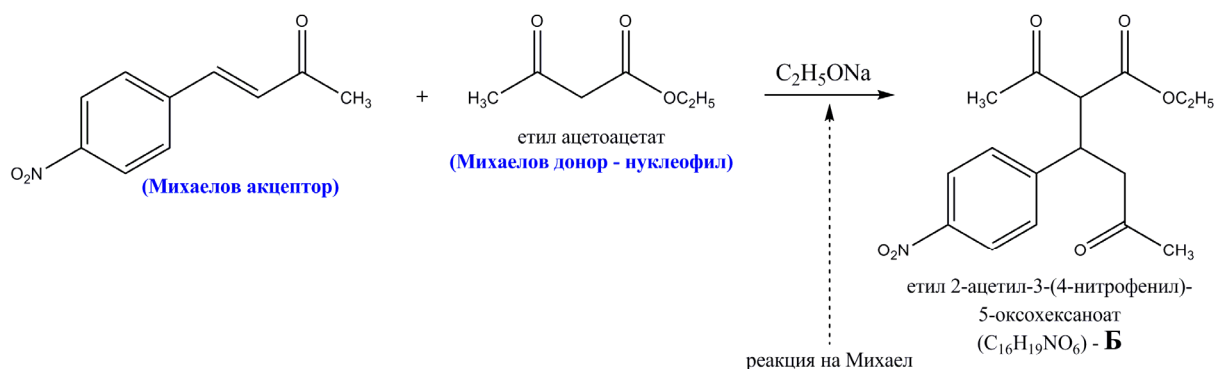
Задача 1.





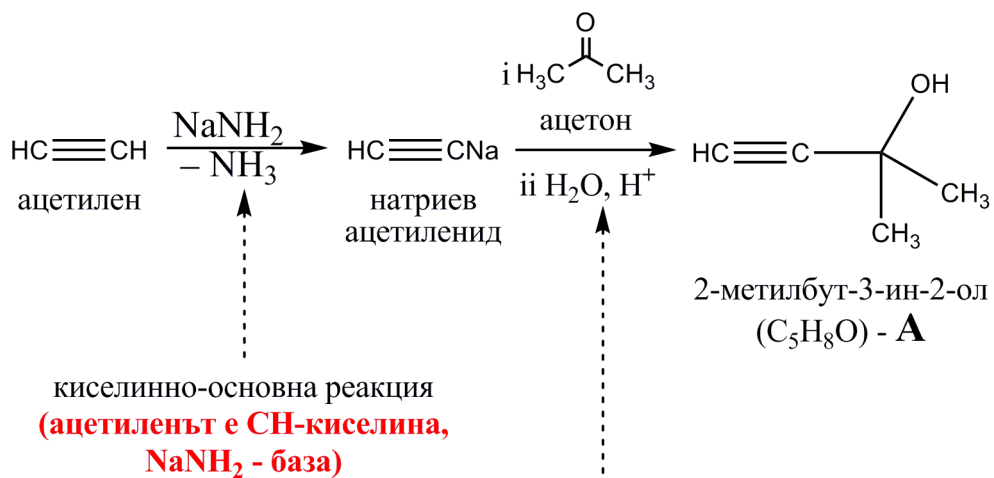
Задача 2.



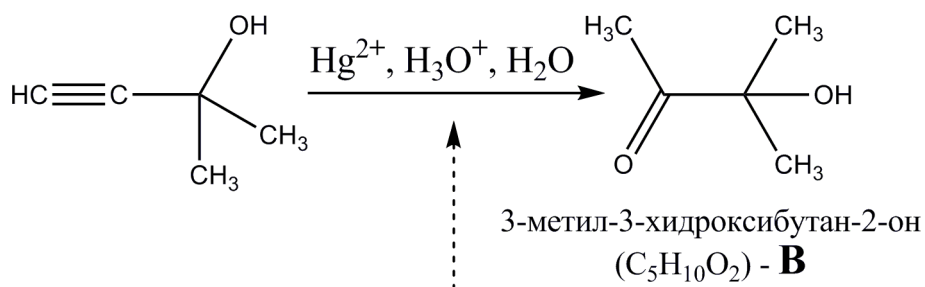
**IR:****CO** – 1720 – 1710 cm^{-1} **COOH** – 1720 – 1705 cm^{-1} **COOH** – 3300 – 2500 cm^{-1} (широка ивица) **1H -NMR:****COCH₃** – s, 3H**COCH₂** – d, 2H**CH₂COOH** – d, 2H**ArCH** – m, 1H**COOH** – s, 1H**Ar** – m, 4H

COCH₃ < **COCH₂** < **CH₂COOH** < **ArCH** < **Ar** < **COOH** – нарастване на химичното отместване по делта скала в ppm.

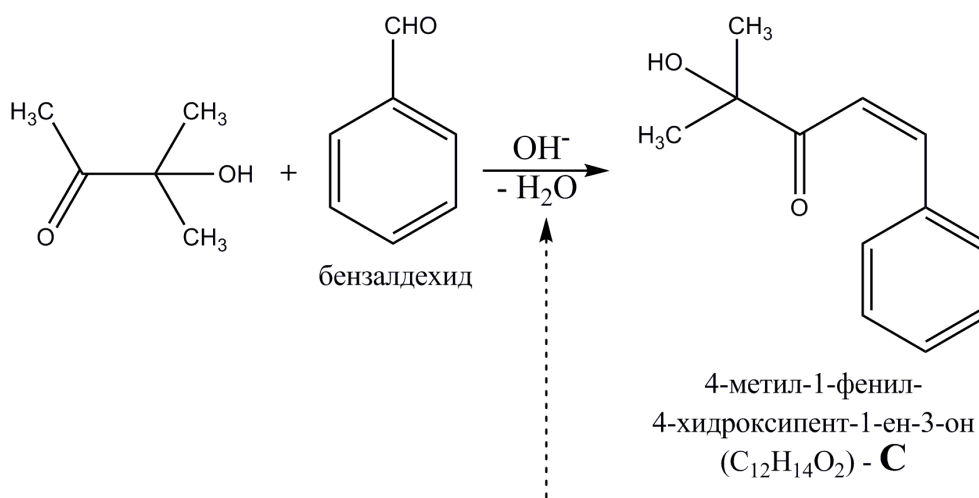
Задача 3.



i синтез на Фаворский-Бабаян; A_N - реакция между нуклеофил и кетон
ii подкиселяване

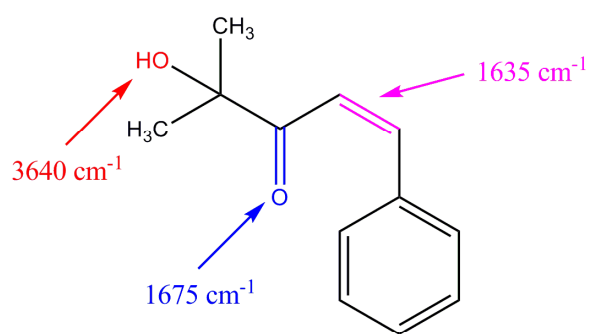


хидратация по Кучеров; A_N

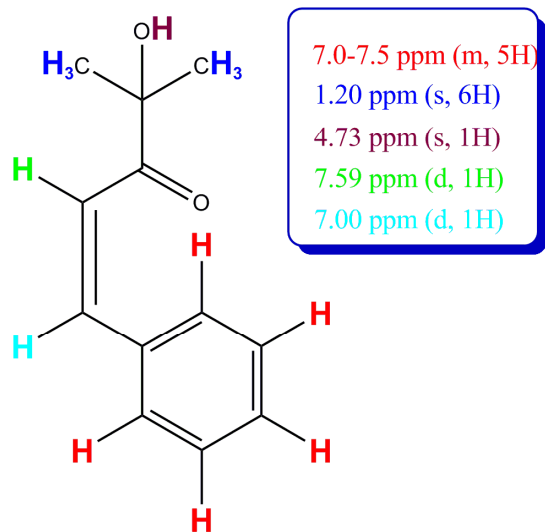


кръстосана алдолна реакция с последваща кротонизация

ИЧ



^1H -ЯМР



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